

Degree of Curvature for Use in MCAT Simulations (Track Classes 2 through 9)											
		Tangent	Cant Deficiency (inches)								
			3	4	5	6	7	8	9		
Passenger	m.p.h.	Degree of curvature used in simulations								m.p.h.	Freight
Class 2	20						46.4	50.0	53.6	20	Class 2
	25						29.7	32.0	34.3	25	
	30						20.6	22.2	23.8	30	
Class 3	35						15.2	16.3	17.5	35	Class 3
	40						11.6	12.5	13.4	40	
	45						9.17	9.88	10.6	45	
	50						7.43	8.00	8.57	50	Class 4
	55						6.14	6.61	7.08	55	
Class 4	60						5.16	5.56	5.95	60	
	65						4.40	4.73	5.07	65	Class 5
	70						3.79	4.08	4.37	70	
	75						3.30	3.56	3.81	75	
Class 5	80						2.90	3.13	3.35	80	
	85	0.00	1.78	1.98	2.18	2.37	2.57	2.77	2.97	85	Class 6
Class 6	90	0.00	1.59	1.76	1.94	2.12	2.29	2.47	2.65	90	
	95	0.00	1.42	1.58	1.74	1.90	2.06	2.22	2.37	95	
	100	0.00	1.29	1.43	1.57	1.71	1.86	2.00	2.14	100	
Class 7	105	0.00	1.17	1.30	1.43	1.55	1.68	1.81	1.94	105	Class 7
	110	0.00	1.06	1.18	1.30	1.42	1.53	1.65	1.77	110	
	115	0.00	0.97	1.08	1.19	1.30	1.40	1.51	1.62	115	
Class 8	120	0.00	0.89	0.99	1.09	1.19	1.29	1.39	1.49	120	Class 8
	125	0.00	0.82	0.91	1.01	1.10	1.19	1.28	1.37	125	
	130	0.00	0.76	0.85	0.93	1.01	1.10	1.18	1.27	130	
	135	0.00	0.71	0.78	0.86	0.94	1.02	1.10	1.18	135	
	140	0.00	0.66	0.73	0.80	0.87	0.95	1.02	1.09	140	
	145	0.00	0.61	0.68	0.75	0.82	0.88	0.95	1.02	145	
Class 9	150	0.00	0.57	0.63	0.70	0.76	0.83	0.89	0.95	150	Class 9
	155	0.00	0.54	0.59	0.65	0.71	0.77	0.83	0.89	155	
	160	0.00	0.50	0.56	0.61	0.67	0.73	0.78	0.84	160	
	165	0.00	0.47	0.52	0.58	0.63	0.68	0.73	0.79	165	
	170	0.00	0.44	0.49	0.54	0.59	0.64	0.69	0.74	170	
	175	0.00	0.42	0.47	0.51	0.56	0.61	0.65	0.70	175	
	180	0.00	0.40	0.44	0.49	0.53	0.57	0.62	0.66	180	
	185	0.00	0.38	0.42	0.46	0.50	0.54	0.58	0.63	185	
	190	0.00	0.36	0.40	0.44	0.47	0.51	0.55	0.59	190	
	195	0.00	0.34	0.38	0.41	0.45	0.49	0.53	0.56	195	
Class 9	200	0.00	0.32	0.36	0.39	0.43	0.46	0.50	0.54	200	Class 9
	205	0.00	0.31	0.34	0.37	0.41	0.44	0.48	0.51	205	
	210	0.00	0.29	0.32	0.36	0.39	0.42	0.45	0.49	210	
	215	0.00	0.28	0.31	0.34	0.37	0.40	0.43	0.46	215	
	220	0.00	0.27	0.30	0.32	0.35	0.38	0.41	0.44	220	